## CONSERVATION PRACTICE PHYSICAL EFFECT WORKSHEET

| STATE New Hampshire FIELD OFFICE       | All DATE July 2002                               |
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| PRACTICE: 350 Sediment Basin           | NOTES:   |
|  |  |
| RESOURCE: SOIL                         |  |
| RESOURCE CONCERN: EROSION              |  |
| RESOURCE INDICATORS                    | PHYSICAL EFFECTS                                 |
| SHEET AND RILL                         | insignificant                                    |
| WIND                                   | insignificant                                    |
| EPHEMERAL GULLY                        | slight reduction in ephemeral gully erosion      |
| CLASSIC GULLY                          | slight reduction in classic gully erosion        |
| STREAMBANK                             | slight reduction in streambank erosion           |
| IRRIGATION INDUCED                     | N/A  |
| SOIL MASS MOVEMENT                     | slight increase in mass movement of soil         |
| ROADBANK/CONSTRUCTION                  | slight decrease in roadbank/construction erosion |
| OTHER                                  |  |
| RESOURCE CONCERN: SOIL CONDITION       |  |
| SOIL TILTH                             | insignificant                                    |
| SOIL COMPACTION                        | insignificant                                    |
| SOIL CONTAMINATION                     |  |
| • SALTS                                | insignificant                                    |
| • ORGANICS                             | insignificant                                    |
| • FERTILIZERS                          | insignificant                                    |
| • PESTICIDES                           | insignificant                                    |
| OTHER                                  |  |
| DEPOSITION/DAMAGE                      |  |
| • ONSITE                               | significant reduction/onsite deposition damage   |
| • OFFSITE                              | significant decrease/offsite deposition damage   |
| DEPOSITION/SAFETY                      |  |
| • ONSITE                               | significantly improve onsite safety/deposition   |
| OFFSITE                                | sign. improve offsite safety hazard/deposition   |
| OTHER                                  |  |
| RESOURCE: WATER                        |  |
| RESOURCE CONCERN: WATER QUANTITY       |  |
| SEEPS                                  | slight increase in seepage hazard                |
| RUNOFF/FLOODING                        | moder. decrease in runoff/flooding               |
| EXCESS SUBSURFACE WATER                | slight increase in excess subsurface water       |
| INADEQUATE OUTLETS                     | slight improvement in H20 outlet concern         |
| WATER MGT. IRRIGATION                  |  |
| • SURFACE                              | N/A  |
| SPRINKLER                              | N/A  |
| WATER MGT. NON-IRRIGATED               | N/A  |
| RESTRICTED FLOW CAPACITY (H20 convey.) |  |
| • ONSITE                               | significant improvement in onsite drainage       |
| • OFFSITE                              | significant improvement in offsite drainage      |
| RESTRICTED STORAGE                     | sign. reduction in sedimentation of H20 storage  |

| RESOURCE: WATER                 |   |  |
|---------------------------------|---|--|
| RESOURCE CONCERN: WATER QUALITY |   |  |
| RESOURCE                        | PHYSICAL EFFECTS                                  |  |
| GROUNDWATER CONTAMINANTS        |   |  |
| PESTICIDES                      | insignificant                                     |  |
| NUTRIENTS AND ORGANICS          | insignificant                                     |  |
| • SALINITY                      | insignificant                                     |  |
| HEAVY METALS                    | insignificant                                     |  |
| • PATHOGENS                     | insignificant                                     |  |
| OTHER                           |   |  |
| SURFACE WATER CONTAMINANTS      |   |  |
| PESTICIDES                      | slight reduction in SWater contam./pesticides     |  |
| NUTRIENTS AND ORGANICS          | slight reduction in SWater contam./nutr.,organics |  |
| SUSPENDED SEDIMENTS             | slight reduction in SWater contam./susp. sedi.    |  |
| LOW DISSOLVED OXYGEN            | slight reduction in SWater contam./low oxygen     |  |
| • SALINITY                      | slight reduction in SWater contam./salinity       |  |
| HEAVY METALS                    | slight reduction in SWater contam./heavy metals   |  |
| WATER TEMPERATURE               | insignificant                                     |  |
| PATHOGENS                       | slight decrease in SWater contam./pathegens       |  |
| AQUATIC HABITAT SUITABILITY     | significant improvement in Aqua. Hab. Suit.       |  |
| OTHER                           |   |  |
| RESOURCE: AIR                   |   |  |
| RESOURCE CONCERN: AIR QUALIT    | V   |  |
| AIRBORNE SEDIMENT AND SMOKE     |   |  |
| PARTICLES                       |   |  |
| ONSITE SAFETY                   | N/A   |  |
| OFFSITE SAFETY                  | N/A   |  |
| ONSITE STRUCT. PROBLEMS         | N/A   |  |
| OFFSITE STRUCT. PROBLEMS        | N/A   |  |
| ONSITE HEALTH                   | N/A   |  |
| OFFSITE HEALTH                  | N/A   |  |
| AIRBORNE SEDIMENT CAUSING       | N/A   |  |
| CONVEYANCE PROBLEMS             |   |  |
| AIRBORNE CHEMICAL DRIFT         | N/A   |  |
| AIRBORNE ODORS                  | N/A   |  |
| FUNGI, MOLDS, AND POLLEN        | N/A   |  |
| OTHER                           |   |  |
| RESOURCE CONCERN: AIR CONDITION |   |  |
| AIR TEMPERATURE                 | N/A   |  |
| AIR MOVEMENT (windbreak effect) | N/A   |  |
| HUMIDITY                        | N/A   |  |
| OTHER                           |   |  |
| ·                               |   |  |

| RESOURCE: PLANT                  |  |
|----------------------------------|--|
|                                  | V  |
| RESOURCE CONCERN: SUITABILIT     |  |
| RESOURCE                         | PHYSICAL EFFECTS                                     |
| SITE ADAPTATION                  | N/A  |
| PLANT USE                        | N/A  |
| OTHER                            |  |
| RESOURCE CONCERN: CONDITION      |  |
| PRODUCTIVITY                     | situational concerning plant productivity            |
| HEALTH, VIGOR, SURVIVAL          | situational concerning plant health, vigor, survival |
| OTHER                            |  |
| RESOURCE CONCERN: MANAGEM        | ENT  |
| ESTAB., GROWTH, HARVEST          | situational concerning plant health, vigor, survival |
| NUTRIENT MANAGEMENT              | situational concerning mgt. of plant nutrients       |
| PESTS                            | situational concerning plant pest mgt.               |
| THREAT/ENDANGERED PLANTS         | N/A  |
| OTHER                            |  |
| RESOURCE: ANIMAL                 |  |
| RESOURCE CONCERN: <b>HABITAT</b> |  |
| FOOD                             | situational concerning food / wildlife               |
| COVER/SHELTER                    | slight improvement in animal habitat/cover,shelter   |
| WATER (QUANTITY & QUALITY)       | slight improvement in animal habitat/water           |
| OTHER                            |  |
| RESOURCE CONCERN: MANAGEMI       | ENT  |
| POPULATION BALANCE               | insignificant  |
| THREAT/ENDANGERED ANIMALS        | situational concerning threat./endangered animals    |
| HEALTH                           | insignificant  |
| OTHER                            |  |
| RESOURCE: HUMAN                  |  |
| RESOURCE CONCERNS: ECONOMI       | C CONSIDERATIONS                                     |
| PLAN / COST EFFECTIVENESS        | significantly cost effective                         |
| CLIENT FINANCIAL CONDITION       | significantly cost effective                         |
| MARKETS FOR PRODUCTS             | N/A  |
| AVAILABLE LABOR                  | situational concerning labor requirements            |
| AVAILABLE EQUIPMENT              | situational regarding equipment concerns             |
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| RESOURCE: HUMAN                              |  |  |
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| RESOURCE CONCERN: SOCIAL CONSIDERATIONS      |  |  |
| RESOURCE INDICATORS                          | PHYSICAL EFFECTS                           |  |
| PUBLIC HEALTH AND SAFETY                     | sign. improvement in public health safety  |  |
| PRIVATE/PUBLIC VALUES                        | sign. improvement in private/public values |  |
| CLIENT CHARACTERISTICS                       | N/A  |  |
| RISK TOLERANCE                               | moderate risk involved                     |  |
| TENURE                                       | N/A  |  |
| OTHER  |  |  |
| RESOURCE CONCERN: CULTURAL CONSIDERATIONS    |  |  |
| ABSENCE/PRESENCE OF CULTURAL RESOURCES       | situational regarding cultural resources   |  |
| SIGNIFICANCE OF CULTURAL<br>RESOURCES        | situational regarding cultural resources   |  |
| MITIGATION OF NEGATIVE CULTURAL RES. IMPACTS | situational regarding cultural resources   |  |
| OTHER  |  |  |
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